

Notice of Allowability	Application No.	Applicant(s)
	10/749,599	EJIRI, KAZUAKI 
	Examiner Lee, Calvin	Art Unit 2818

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to Telephone Interview dated September 6, 2005.
2. The allowed claim(s) is/are 1,4-13 and 17.
3. The drawings filed on 12/31/03 are accepted by the Examiner.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some* c) None of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. Notice of Informal Patent Application (PTO-152)
6. Interview Summary (PTO-413),
Paper No./Mail Date hereto.
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other _____.


 David Nelms
 Supervisory Patent Examiner
 Technology Center 2800

OFFICE ACTION

Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312.

IN THE CLAIMS: Canceled claims 2-3;

Claim 1, line 6, after "abrasive slurry" inserted --, wherein said low-k material insulating layer is formed as a SiCOH layer or as a methyl silsesquioxane layer--;

Claim 1, line 9, after "polishing pad" insert --washing said semiconductor wafer, which is drenched with said aqueous abrasive slurry, with an aqueous washing solution; and rinsing the washed semiconductor wafer--;

Claim 10, line 2, after "further comprising" deleted --washing said semiconductor wafer, which is drenched with said aqueous abrasive slurry, with an aqueous washing solution; and--

2. Authorization for this examiner's amendment was given in a telephone interview with

Donald W. Muirhead on September 6, 2005

Allowable Subject Matter

3. Claims 1, 4-13, and 17 are allowed. Following is the examiner's reason for allowance:

The closest art, US 6,617,717 to *Sachan et al*, does not disclose, *inter alia*, a CMP method of a low-k material for making the low-k material being hydrophilic in nature, wherein the low-k material insulating layer is formed as a SiCOH layer or as a methyl silsesquioxane layer. Furthermore, *Sachan et al* lacks teaching to wash the semiconductor wafer, which is drenched with an aqueous abrasive slurry, with an aqueous washing solution, and to rinse the washed semiconductor wafer.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance.

Contact Information

5. Any inquiry concerning this communication from the Examiner should be directed to *Calvin Lee* at (571) 272-1896 on Mondays thru Thursdays 6:30-4:30PM. If attempts to reach the examiner by telephone are unsuccessful, Art Unit 2818's Supervisory Patent Examiner *David Nelms* can be reached at (571) 272-1787. The fax phone number for the organization (where this application is assigned to) is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system at <http://pair-direct.uspto.gov>. Should you have questions on access to the PAIR system, contact the Electronic Business Center at (866) 217-9197.

CL


David Nelms
Supervisory Patent Examiner
Technology Center 2800

Dated: September 7, 2005